

Chemistry
Course Syllabus
2014-2015

WELCOME TO CHEMISTRY!!! ☺

We are very excited to have you in my class this year. Here is a look at what we will be doing:

Unit Title
Unit 1: Introduction to Chemistry
Unit 2: Physical and Chemical Properties and Changes
Unit 3: Mixtures, Solutions, and Pure Substances
Unit 4: The Atom & Atomic Theory
Unit 5: The Periodic Table
Unit 6: Chemical Bonding
Unit 7: Chemical Nomenclature
Unit 8: Chemical Reactions
Unit 9: Nuclear Chemistry
Unit 10: Gas Laws
Unit 11: Thermochemistry
Unit 12: Chemical Kinetics
Unit 13: Solubility
Unit 14: Equilibrium
Unit 15: Acids, Bases, & Buffers
Unit 16: Electrochemistry
Unit 17: Thermodynamics

Your responsibilities for this class are:

1. To follow the rules of the lab.
2. To study and work to the best of your ability.
3. To take care of your books and handouts.
4. To have a great time!

Assignments & Projects:

At the start of every unit, you will receive a unit chart, available online. It looks a little like a checklist. The checklist will have lots of different assignments and projects on it. Some will be required, while others will be optional. You will have to do the required work. The optional work will be at your and the teacher's discretion.

Assignments and projects will include worksheets, hands-on activities, labs, essays and creative writings, games, posters, presentations, etc.

Homework:

You will receive up to 4 homework assignments per week.

1. A Learning Option – a choice of watching the lectures, watching a series of videos, reading the book, or exploring a Glog. Not all options will be available for each unit.
2. A note-taking worksheet that you will be able to complete only after completing the Learning Option(s).
3. Continuing work on your projects.
4. Continuing work on your labs.

Labs:

You will have 1-6 labs per unit. On some labs you will be required to answer questions and fill in some information. On others you will be required to write a full lab report. You will be notified when you have to write a report versus just answering questions.

Tests & Quizzes:

You will be required to take a test at the end of each unit. You will take the test when you are ready and must obtain an 80% to move on to the next unit. If you do not, you will be eligible to retake the test 24 hours later.

Approximate Grading:

Labs: 35%

Homework: 15%

Tests & Quizzes: 40%

Final Exam & Midterm: 10%

You may turn assignments in up to the last day of the unit with no penalization for being late. However, it is in your best interest to keep up with the assignments in order to foster learning. No assignments or work will be accepted after you have completed the test in a unit.

Sometimes the requirements will change, thereby changing the grading scheme. For grading on each unit, refer to the unit sheet.

All information, materials, and resources can be obtained from:

- Rebekah's & Rich's Wiki Pages (<https://tlcd-science.wikispaces.com>)

If you have any questions, please let a teacher know.

You are required to have goggles on at all times during the labs. You may use the goggles supplied in the classroom or purchase your own from the teacher.